



**BUILDING CODE COMPLIANCE OFFICE**  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

**CONTRACTOR LICENSING SECTION**  
(305) 375-2527 FAX (305) 375-2558

**CONTRACTOR ENFORCEMENT DIVISION**  
(305) 375-2966 FAX (305) 375-2908

**PRODUCT CONTROL DIVISION**  
(305) 375-2902 FAX (305) 372-6339

**PRODUCT CONTROL NOTICE OF ACCEPTANCE**

**Storm Tech Manufacturing**  
**3593 Palmetto Avenue**  
**Fort Myers ,FL 33916**

Your application for Notice of Acceptance (NOA) of:

**0.050" Aluminum Storm Panels Shutter**

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

**ACCEPTANCE NO.:** 01-0822.01  
**EXPIRES:** 12/27/2006

Raul Rodriguez  
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS**  
**BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.  
Director  
Miami-Dade County  
Building Code Compliance Office

**APPROVED:** 12/27/2001



**Storm Tech Manufacturing**

**ACCEPTANCE No. :** 01-0822.01

**APPROVED :** 12/27/2001

**EXPIRES :** 12/27/2006

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

This approves a 0.050" aluminum storm panels shutter, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

**2. PRODUCT DESCRIPTION**

This 0.050" aluminum storm panels shutter and its components shall be constructed in strict compliance with the following documents: Drawing No. 01-012, titled "0.050" Aluminum Storm Panel", sheets 1 through 8 of 8, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E., dated February 22, 2001, last revision # 1 dated November 14, 2001, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

**3. LIMITATIONS**

All permanent set components, included but not limited to embedded anchor bolts, threaded cones, metal shields, headers and sills, must be protected against corrosion, contamination and damage at all times.

**4. INSTALLATION**

This 0.050" aluminum storm panels shutter and its components shall be installed in strict compliance with the approved drawings.

**5. LABELING**

Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved".

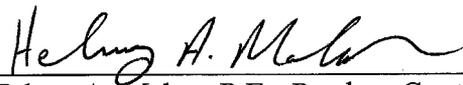
**6. BUILDING PERMIT REQUIREMENTS**

**6.1** Application for building permit shall be accompanied by copies of the following:

**6.1.1** This Notice of Acceptance.

**6.1.2** Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

**6.1.3** Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

  
\_\_\_\_\_  
Helmy A. Makar, P.E.- Product Control Examiner  
Product Control Division

**Storm Tech Manufacturing**

**ACCEPTANCE No. :** 01-0822.01

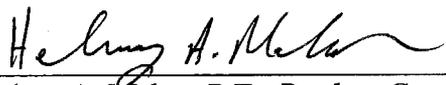
**APPROVED :** 12/27/2001

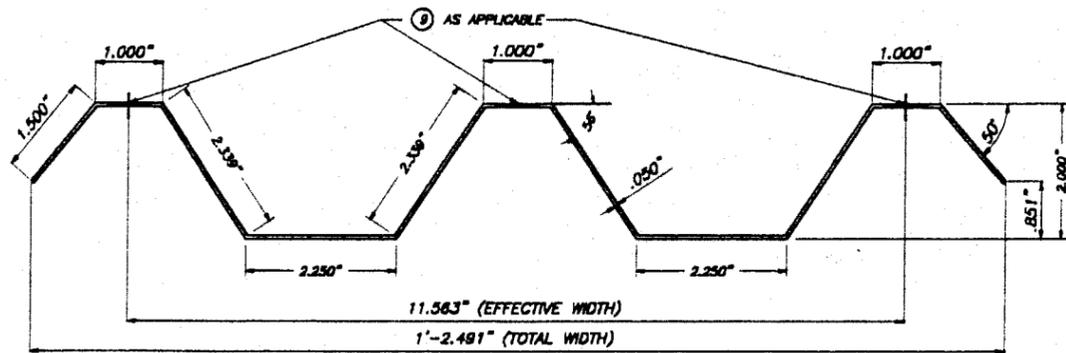
**EXPIRES :** 12/27/2006

**NOTICE OF ACCEPTANCE: STANDARD CONDITIONS**

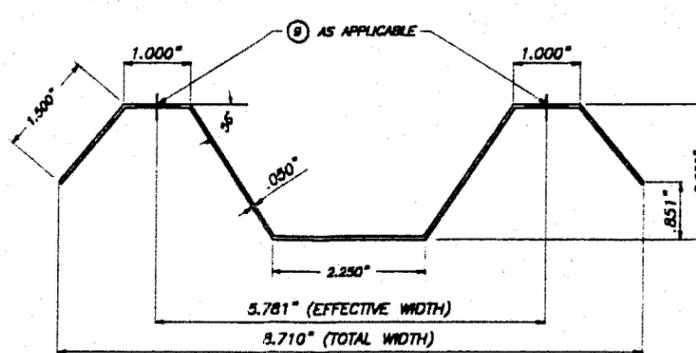
1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
  - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
  - b. The product is no longer the same product (identical) as the one originally approved.
  - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
  - d. The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
  - a. Unsatisfactory performance of this product or process.
  - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all times. The engineer needs not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

**END OF THIS ACCEPTANCE**

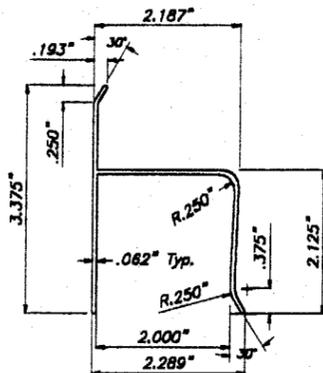
  
\_\_\_\_\_  
Helmy A. Makar, P.E.- Product Control Examiner  
Product Control Division



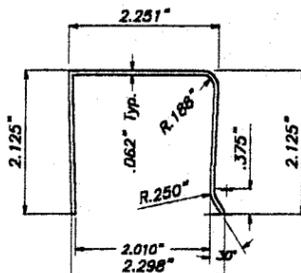
① **PANEL**  
SCALE: 3/8" = 1"



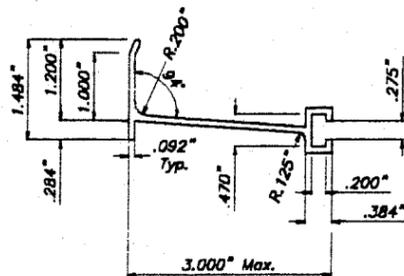
② **HALF PANEL**  
SCALE: 3/8" = 1"



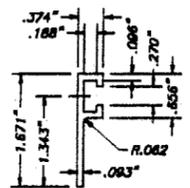
③ **"h" HEADER**  
SCALE: 3/8" = 1"



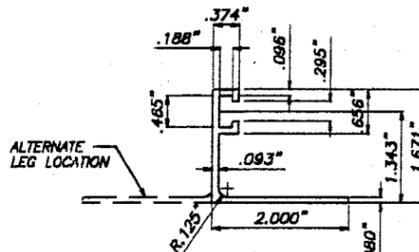
④ **"U" HEADER**  
SCALE: 3/8" = 1"



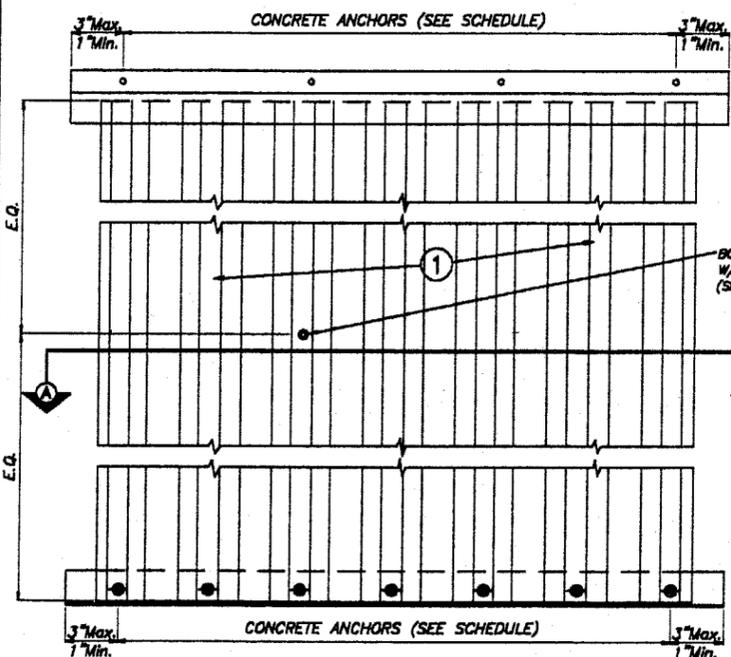
⑤ **3" BUILD OUT TRACK BRACKET**  
SCALE: 3/8" = 1"



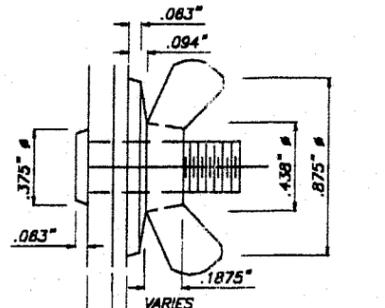
⑥A **3/8" 'F' TRACK**  
SCALE: 3/8" = 1"



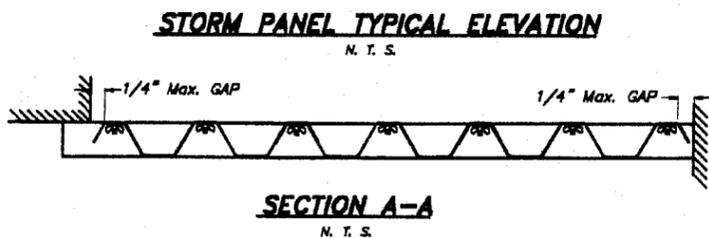
⑦ **'F' TRACK ANGLE**  
SCALE: 3/8" = 1"



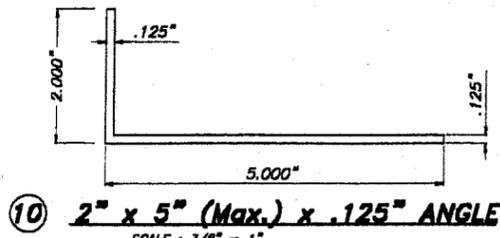
⑧ **STUDED ANGLE**  
6063-T8 Alum. ALLOY  
SCALE: 3/8" = 1"



⑨ **KEY HOLE AT PANEL**



SECTION A-A  
N. T. S.



⑩ **2" x 5" (Max.) x .125" ANGLE**  
SCALE: 3/8" = 1"

**GENERAL NOTES:**

- STORM PANEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE MIAMI DADE COUNTY, 1994 EDITION OF THE SOUTH FLORIDA BUILDING CODE. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 8 OF ASCE 7-88, WITH 110 m.p.h. BASIC WIND SPEED. STORM PANEL'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTIONS 2315 & 2314 RESPECTIVELY OF THE ABOVE MENTIONED CODE AS PER FENESTRATION TEST LAB REPORT # 3023.
- ALL ALUMINUM SHEET METAL PANELS SHALL BE 5052-H32 ALLOY.
- ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T8 ALLOY UNLESS OTHERWISE NOTED.
- ALL SCREWS TO BE STAINLESS STEEL 304 OR 316 SERIES.
- BOLTS TO BE 2024-T4 ALUMINUM ALLOY, GALVANIZED OR STAINLESS STEEL, WITH 38 ksi MINIMUM YIELD POINT.
- ANCHORS TO WALL SHALL BE AS FOLLOWS: (UNLESS OTHERWISE NOTED).
  - (A) TO EXISTING POURED CONCRETE:
    - 1/4" # TAPCONS AS MANUFACTURED BY I.T.W./BUILDEX.
    - 1/4" # x 7/8" CALK-IN ANCHORS AS MANUFACTURED BY POWERS FASTENING, INC.
  - (B) TO EXISTING CONCRETE BLOCK WALL:
    - 1/4" # TAPCONS AS MANUFACTURED BY I.T.W./BUILDEX.
    - 1/4" # x 7/8" CALK-IN ANCHORS AS MANUFACTURED BY POWERS FASTENING, INC.
  - (C) ANCHORS SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.
- PANELS MAY ALSO BE INSTALLED HORIZONTALLY FOLLOWING INSTALLATION DETAILS SHOWN ON SECTIONS 1 THRU 7 (SHEET 2 & 3 OF 8) EXCEPT THAT HEADERS 3 & 4 SHALL NOT BE USED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE PANEL IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE. THIS PANEL SHALL ONLY BE ATTACHED TO CONCRETE, BLOCK OR WOOD FRAME BUILDINGS.
- SHUTTER MANUFACTURER'S LABEL SHALL BE PLACED AT BOTTOM OF EACH PANEL. LABEL SHALL READ AS FOLLOWS:  
STORM TECH MANUFACTURING.  
FORT MYERS, FLORIDA.  
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

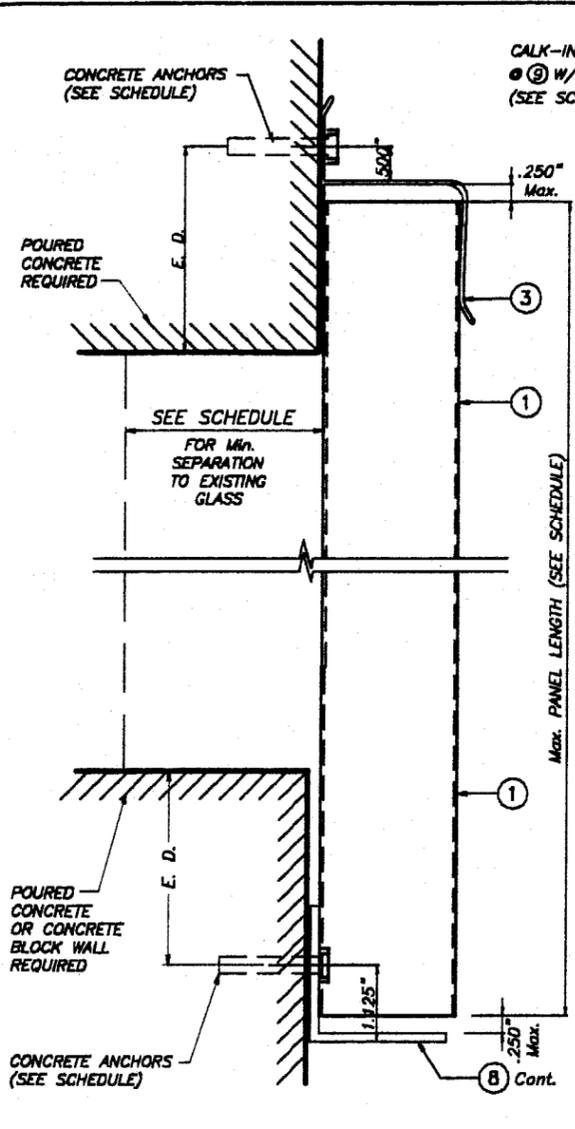
APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE: 12/27/2001  
BY: *Heather H. Miller*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-0822-01

MIAMI-DADE COUNTY

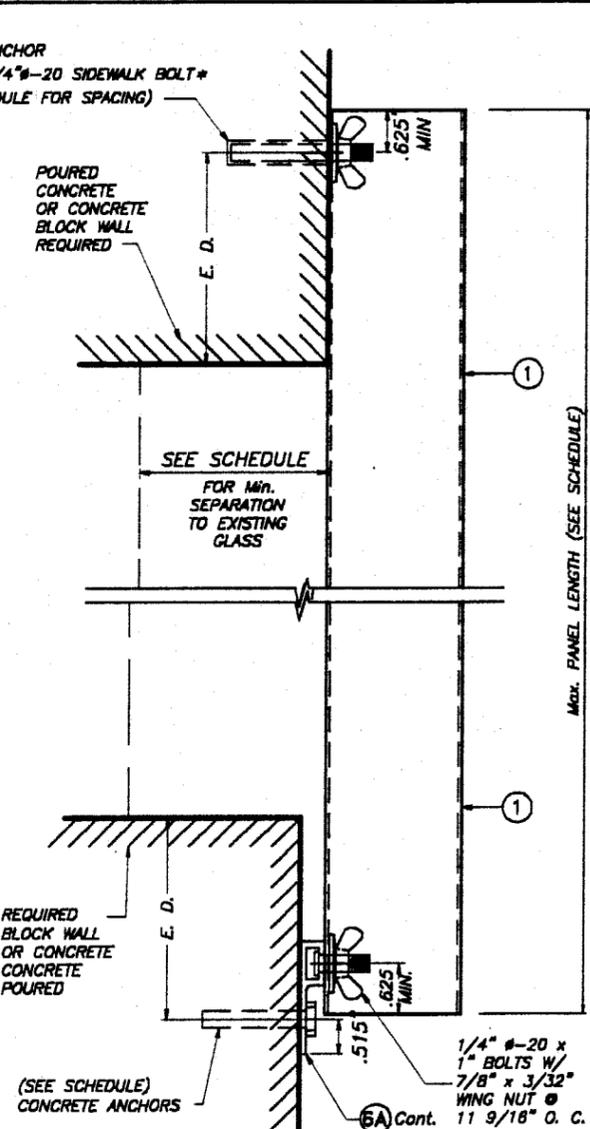
**TILECO INC.**  
TILLIT TESTING & ENGINEERING COMPANY  
6385 N.W. 38th St., Ste. 217, VIRGINIA GARDENS, FL 33169  
Phone: (305)871-1530 Fax: (305)871-1531  
EB-0006719  
WALTER A. TILLIT Jr. P. E.  
FLORIDA Lic. # 44187

0.050" ALUMINUM STORM PANEL		AS SHOWN SCALE	
<b>STORM TECH MANUFACTURING</b>		2/22/01 DATE	
3593 PALMETTO AVE. FORT MYERS, FL 33918		01-012 DRAWING No	
REV. No	DESCRIPTION	DATE	REV. No
1	GENERAL	11/14/01	3
2			4
			SHEET 1 OF 8

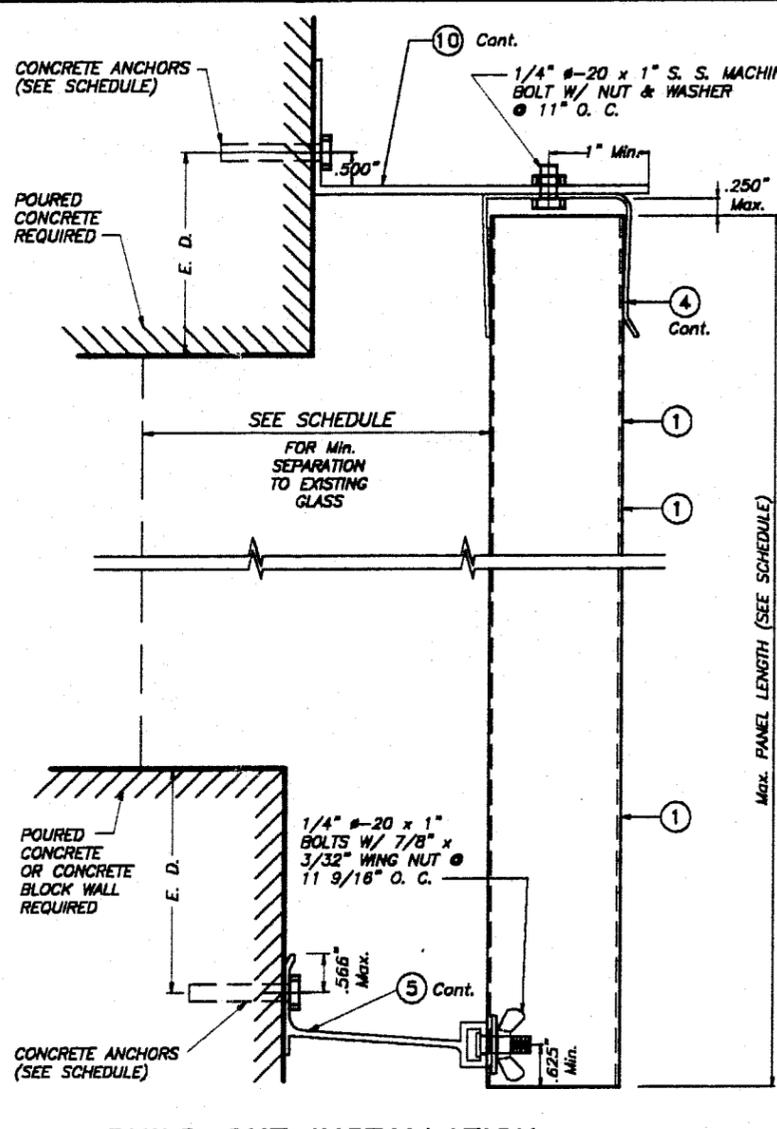
*David*  
11/15/01



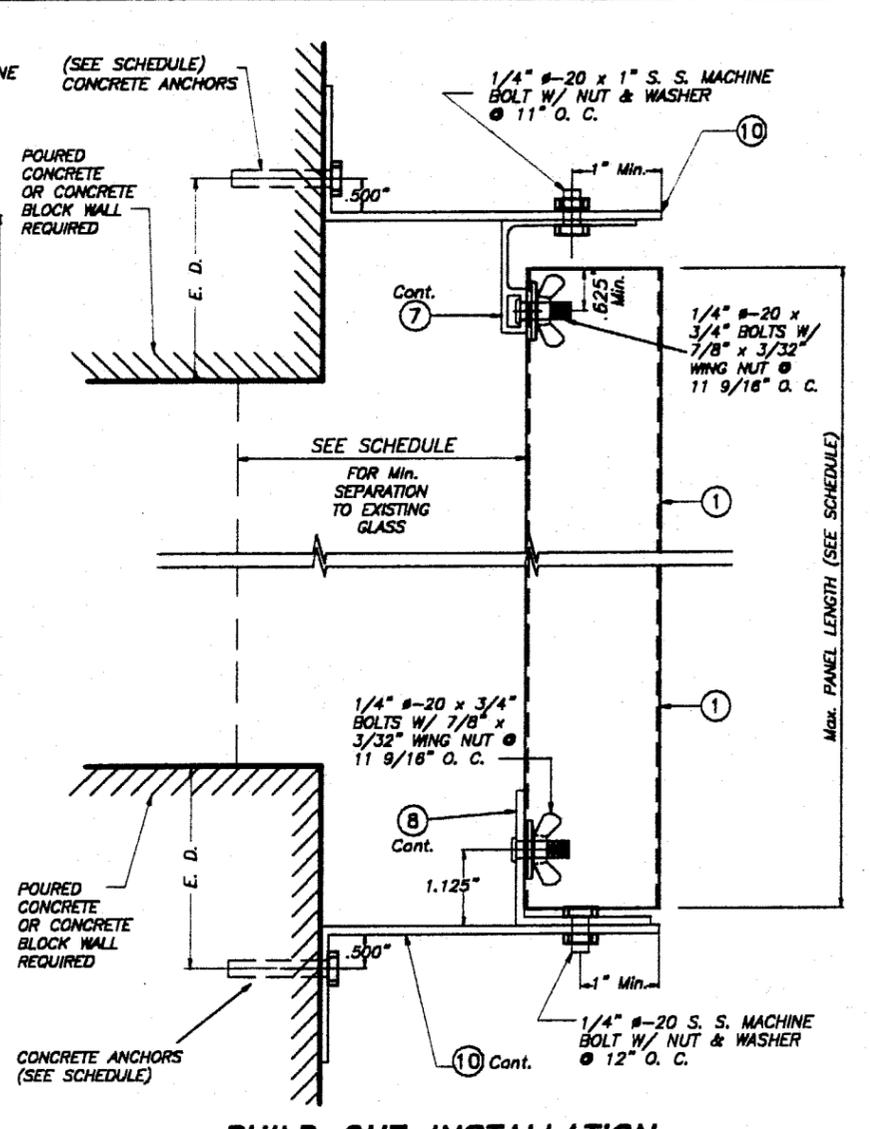
SECTION 1 ANCHOR



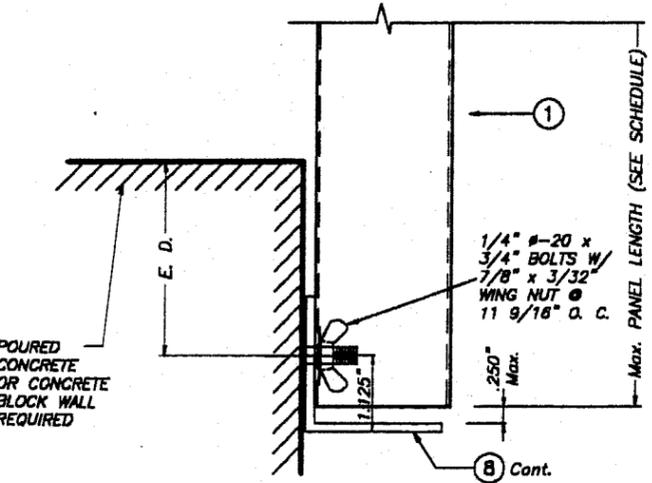
**DIRECT MOUNTING & WALL MOUNTING INSTALLATION**  
**SECTION 2** SCALE: 3/8" = 1"



**BUILD OUT INSTALLATION**  
**SECTION 3** SCALE: 3/8" = 1"



**BUILD OUT INSTALLATION**  
**SECTION 4** SCALE: 3/8" = 1"



SECTION 1 STUD

**WALL MOUNTING INSTALLATION**  
**SECTION 1** SCALE: 3/8" = 1"

NOTE: DETAIL OF SECTION 1 STUD VALID ALSO FOR WALL MOUNTING INSTALLATION - SECTION 2 (TOP)

\* SIDE WALK BOLTS ARE 3/4" x 3/32" THICK HEAD MACHINE SCREW W/LENGTH AS PER NOTES A.2 & B.2 (SHEET 1)

E. D. = EDGE DISTANCE (SEE SCHEDULE ON SHEETS 5 & 8 OF 8)

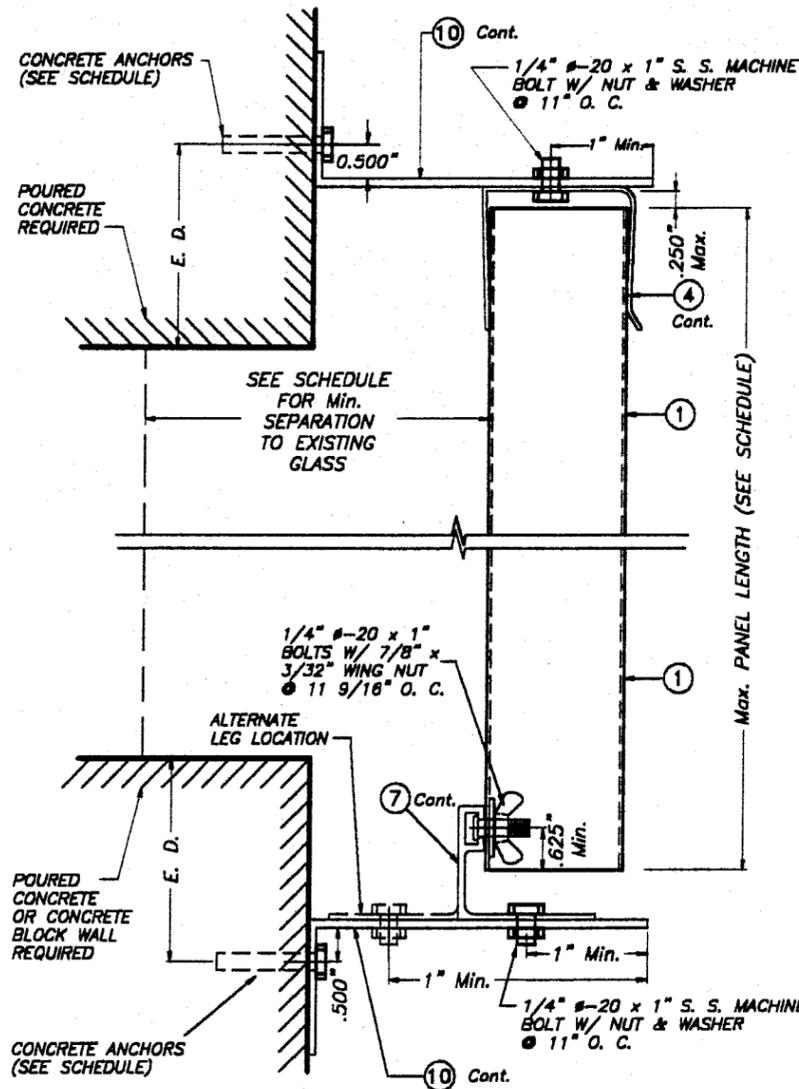
NOTE FOR COMBINATION OF SECTIONS:  
WALL/FLOOR/CEILING MOUNTING SECTIONS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

*David*  
11/19/01

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE 12/27/2001  
BY *Helmy A. Maher*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-0822-01

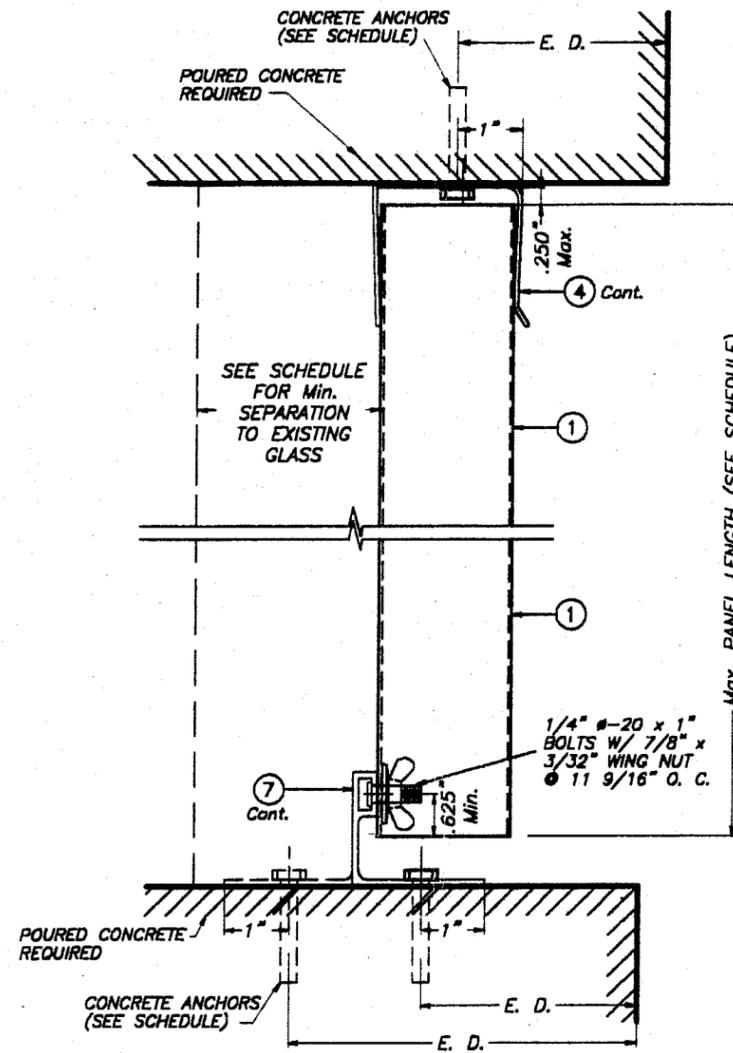
MIAMI-DADE COUNTY

 <b>TILECO INC.</b> TILLIT TESTING & ENGINEERING COMPANY 6285 N.W. 38th St., Ste. 217, VIRGINIA GARDENS, FL 33188 Phone: (305)871-1530 Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT Jr., P. E. FLORIDA Lic. # 44167		0.050" ALUMINUM STORM PANEL		AS SHOWN SCALE	
		<b>STORM TECH MANUFACTURING</b>		2/22/01 DATE	
		3593 PALMETTO AVE. FORT MYERS, FL 33916		01-012 DRAWING No	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	GENERAL	11/14/01	3		
2			4		
					SHEET 2 OF 8



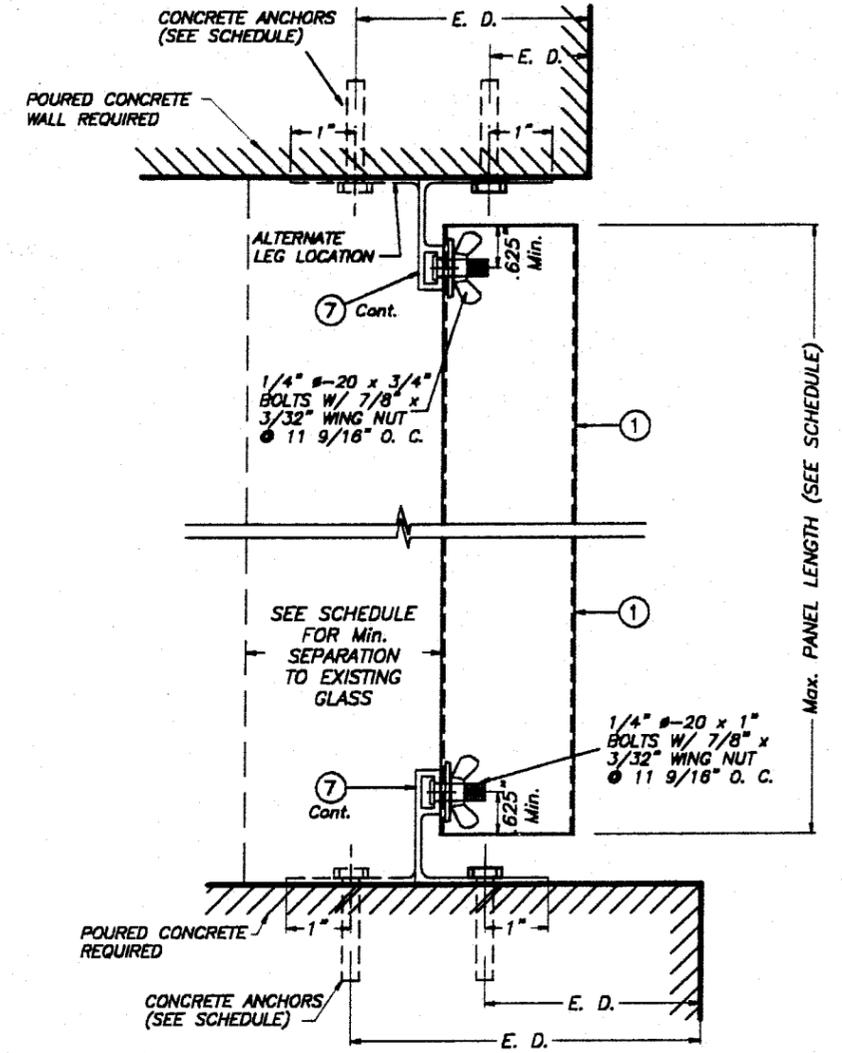
**BUILD OUT INSTALLATION  
- SECTION 5**

SCALE : 3/8" = 1"



**CEILING & FLOOR MOUNTING  
INSTALLATION - SECTION 6**

SCALE : 3/8" = 1"



**CEILING & FLOOR MOUNTING  
INSTALLATION - SECTION 7**

SCALE : 3/8" = 1"

E. D. = EDGE DISTANCE  
(SEE SCHEDULE ON  
SHEET 5 & 6 OF 8)

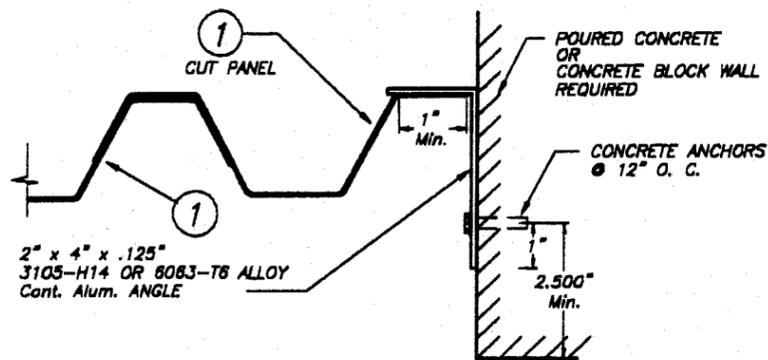
NOTE FOR COMBINATION OF SECTIONS :  
WALL/FLOOR/CEILING MOUNTING SECTIONS CAN BE  
COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

*Walter A. Tillit Jr.*  
11/15/01

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE 12/27/2001  
BY *Helmy A. Helmy*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-0822-01

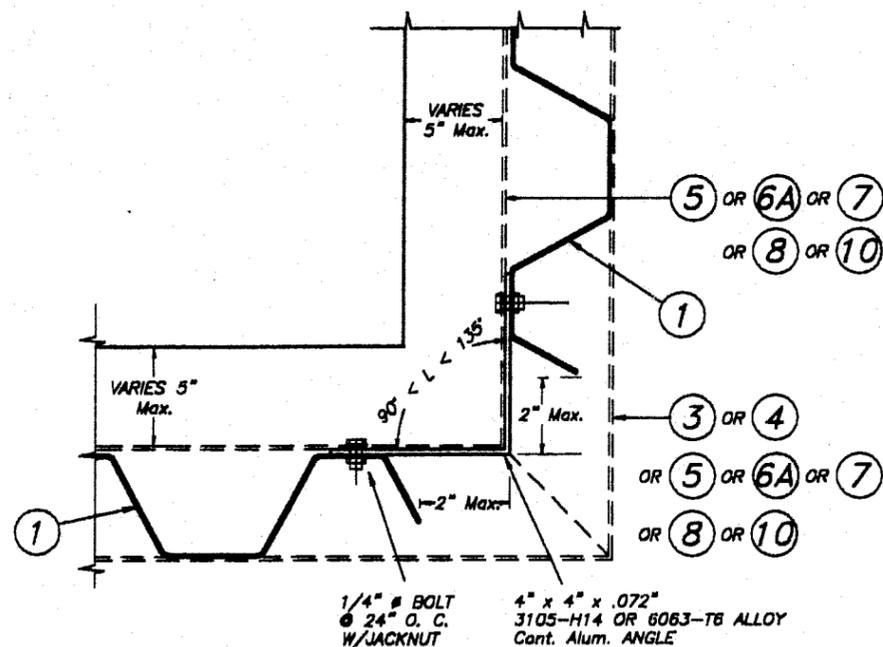
MIAMI-DADE COUNTY

 <b>TILTECO INC.</b> TILLIT TESTING & ENGINEERING COMPANY 8585 N.W. 30th St., Ste. 217, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167		0.050" ALUMINUM STORM PANEL		AS SHOWN SCALE	
		<b>STORM TECH MANUFACTURING</b> 3583 PALMETTO AVE. FORT MYERS, FL 33918		2/22/01 DATE	
				01-012 DRAWING No	
				SHEET 3 OF 8	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	GENERAL	11/14/01	3		
2			4		



**CASE A (Plan)**

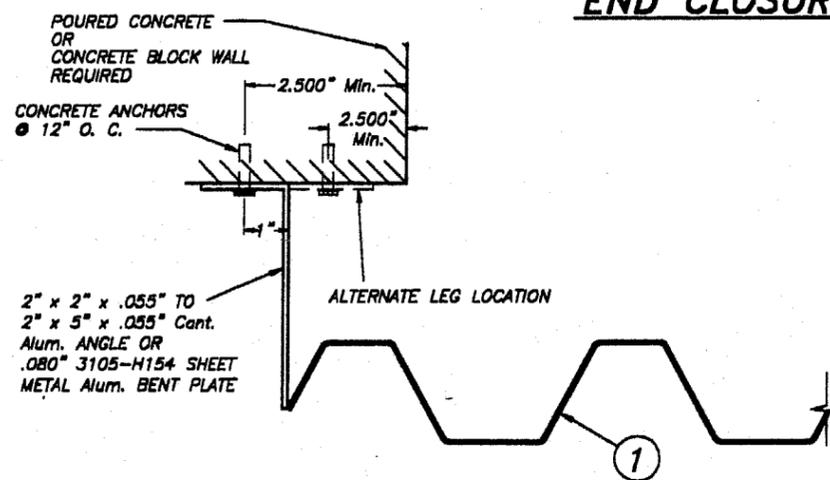
SCALE: 1/4" = 1"



**CASE B (Plan)**

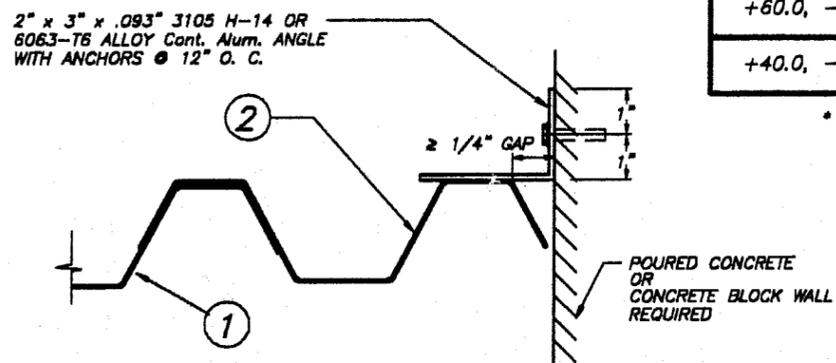
SCALE: 1/4" = 1"

**END CLOSURES DETAILS**



**CASE C (Plan)**

SCALE: 1/4" = 1"



**CASE D (Plan)**

SCALE: 1/4" = 1"

**MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM PANEL LENGTH "L" SCHEDULE**

MAXIMUM DESIGN PRESSURE RATING W (p.s.f.)	Max. PANEL LENGTH L (ft.) (SEE SECTIONS)	MINIMUM SEPARATION TO GLASS	APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM	PANEL REINFORCEMENT
+55.0, -66.0	8'-6"	3 3/8"	1 THRU 7	UNBOLTED
+60.0, -75.0	7'-2"	2 5/8"	1 THRU 7	UNBOLTED
+40.0, -40.0	10'-0"	2 5/8"	1 THRU 7	*BOLTED AT MIDLENGTH AT OVERLAPS

\* BOLTED W/ 1/4" #20 x 3/4" S. S. M. S. & WINGNUT AT OVERLAP & MIDLENGTH OF PANEL.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE 12/27/2001  
 BY *Heather H. M...*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 01-0822-01

MIAMI-DADE COUNTY

*Walter A. Tillit Jr.*  
 11/15/01

 <b>TILTECO INC.</b> TILLIT TESTING & ENGINEERING COMPANY 8585 N.W. 38th St., Ste. 217, VIRGINIA GARDENS, FL 33186 Phone: (305)871-1530 Fax: (305)871-1531 EB-0008719 WALTER A. TILLIT JR., P. E. FLORIDA Lic. # 44167	0.050" ALUMINUM STORM PANEL	AS SHOWN SCALE
	<b>STORM TECH MANUFACTURING</b> 3593 PALMETTO AVE. FORT MYERS, FL 33918	2/22/01 DATE
		01-012 DRAWING No
		SHEET 4 OF 8

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	GENERAL	11/14/01	3		
2			4		

**MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND  
CORRESPONDING MAXIMUM ANCHOR SPACING SCHEDULE FOR  
INSTALLATIONS INTO CONCRETE AND C.B.S. STRUCTURES \***

E. D. = EDGE DISTANCE

\* SEE SHEET 7 & 8 OF 8 FOR ANCHORS TYPE & SPACING FOR INSTALLATIONS INTO WOOD FRAME BUILDINGS.

**ANCHORS LEGEND**

ANCHORS TYPE	ANCHOR MIN. SPACING
TAPCON	3.0"
CALK-IN	2.5"

\*\* MAXIMUM ANCHOR SPACINGS ARE VALID FOR 3 1/2" EDGE DISTANCE. FOR E. D. LESS THAN 3 1/2", REDUCE ANCHOR SPACING BY MULTIPLYING SPACING SHOWN ON SCHEDULE BY THE FOLLOWING FACTORS. (NOTE : Min. E. D. FOR CALK-IN ANCHORS IS 2 1/2"). FOR THIS OPERATION TO BE POSSIBLE, REDUCED SPACING OBTAINED USING FACTOR SHALL NOT BE LESS THAN MINIMUM SPACING INDICATED FOR EACH ANCHOR TYPE AT ANCHORS LEGEND.

ACTUAL E. D.	FACTOR	
	TAPCON	CALK-IN
3"	.86	.75
2 1/2"	.75	.50
2"	.50	-

MAXIMUM DESIGN LOAD W (p.s.f.)	MAXIMUM ANCHORS SPACING FOR E. D. = 3 1/2" **				APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM	MAXIMUM PANEL LENGTH "L" (ft.)
	I.T.W. BUILDING TAPCONS		POWERS FASTENING CALK-IN			
	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY		
+60.0, -61.5	12"	N/A	12"	N/A	1 (TOP)	6'-0" OR LESS
	12"	12"	12"	12"	1 (BOTTOM)	
	N/A	N/A	11 9/16"	11 9/16"	2 (TOP)	
	12"	12"	12"	12"	2 (BOTTOM)	
	12"	N/A	12"	N/A	3 (TOP)	
	12"	12"	12"	12"	3 (BOTTOM)	
	12"	12"	12"	12"	4 (TOP)	
	12"	12"	12"	12"	4 (BOTTOM)	
	12"	N/A	12"	N/A	5 (TOP)	
	12"	12"	12"	12"	5 (BOTTOM)	
	12"	N/A	12"	N/A	6 (TOP)	
	12"	N/A	12"	N/A	6 (BOTTOM)	
12"	N/A	12"	N/A	7 (TOP/BOTTOM)		

MAXIMUM DESIGN LOAD W (p.s.f.)	MAXIMUM ANCHORS SPACING FOR E. D. = 3 1/2" **				APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM	MAXIMUM PANEL LENGTH "L" (ft.)
	I.T.W. BUILDING TAPCONS		POWERS FASTENING CALK-IN			
	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY		
+55.0, -61.5	11"	N/A	11"	N/A	1 (TOP)	>6'-0" TO 7'-0"
	12"	10.5"	12"	12"	1 (BOTTOM)	
	N/A	N/A	11 9/16"	11 9/16"	2 (TOP)	
	12"	10.5"	12"	12"	2 (BOTTOM)	
	12"	N/A	12"	N/A	3 (TOP)	
	12"	10.5"	12"	12"	3 (BOTTOM)	
	12"	7"	12"	10"	4 (TOP)	
	12"	10.5"	12"	12"	4 (BOTTOM)	
	12"	N/A	12"	N/A	5 (TOP)	
	12"	7"	12"	10"	5 (BOTTOM)	
	12"	N/A	12"	N/A	6 (TOP)	
	12"	N/A	12"	N/A	6 (BOTTOM)	
12"	N/A	12"	N/A	7 (TOP/BOTTOM)		

MAXIMUM DESIGN LOAD W (p.s.f.)	MAXIMUM ANCHORS SPACING FOR E. D. = 3 1/2" **				APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM	MAXIMUM PANEL LENGTH "L" (ft.)
	I.T.W. BUILDING TAPCONS		POWERS FASTENING CALK-IN			
	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY		
+55.0, -61.5	9"	N/A	9"	N/A	1 (TOP)	>7'-6" TO 8'-6"
	12"	9"	12"	12"	1 (BOTTOM)	
	N/A	N/A	11 9/16"	11 9/16"	2 (TOP)	
	12"	9"	12"	12"	2 (BOTTOM)	
	12"	N/A	12"	N/A	3 (TOP)	
	12"	9"	12"	12"	3 (BOTTOM)	
	12"	5.5"	12"	7.5"	4 (TOP)	
	12"	9"	12"	12"	4 (BOTTOM)	
	12"	N/A	12"	N/A	5 (TOP)	
	12"	5.5"	12"	7.5"	5 (BOTTOM)	
	12"	N/A	12"	N/A	6 (TOP)	
	11"	N/A	11.5"	N/A	6 (BOTTOM)	
11"	N/A	11.5"	N/A	7 (TOP/BOTTOM)		

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE 12/27/2001  
BY *Heather A. Walker*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-0822-01

MIAMI-DADE COUNTY

*James*  
1/15/01

**TILECO Inc.**  
TILLIT TESTING & ENGINEERING COMPANY  
6585 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FL 33186  
Phone : (305)871-1930 . Fax : (305)871-1931  
EB-0006719  
WALTER A. TILLIT Jr. P. E.  
FLORIDA Lic. # 44167

0.050" ALUMINUM STORM PANEL						AS SHOWN SCALE
STORM TECH MANUFACTURING						2/22/01 DATE
3583 PALMETTO AVE. FORT MYERS, FL 33916						01-012 DRAWING No
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	SHEET 5 OF 8
1	GENERAL	1/14/01	3			
2			4			

MAXIMUM DESIGN LOAD W (p.s.f.)	MAXIMUM ANCHORS SPACING FOR E. D. = 3 1/2" **						MAXIMUM PANEL LENGTH "L" (ft.)
	L.T.W. BUILDING		POWERS FASTENING		APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM		
	TAPCONS		CALK-IN				
	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY			
+55.0, -68.0	8"	N/A	8"	N/A	1 (TOP)	8'-6" OR LESS	
	12"	8.5"	12"	12"	1 (BOTTOM)		
	N/A	N/A	11 9/16"	11 9/16"	2 (TOP)		
	12"	8.5"	12"	12"	2 (BOTTOM)		
	12"	N/A	12"	N/A	3 (TOP)		
	12"	8.5"	12"	12"	3 (BOTTOM)		
	12"	4.5"	12"	8.5"	4 (TOP)		
	12"	8.5"	12"	12"	4 (BOTTOM)		
	12"	N/A	12"	N/A	5 (TOP)		
	12"	4.5"	12"	8.5"	5 (BOTTOM)		
	12"	N/A	12"	N/A	6 (TOP)		
	10.5"	N/A	11"	N/A	6 (BOTTOM)		
10.5"	N/A	11"	N/A	7 (TOP/BOTTOM)			

MAXIMUM DESIGN LOAD W (p.s.f.)	MAXIMUM ANCHORS SPACING FOR E. D. = 3 1/2" **						MAXIMUM PANEL LENGTH "L" (ft.)
	L.T.W. BUILDING		POWERS FASTENING		APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM		
	TAPCONS		CALK-IN				
	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY			
+40.0, -40.0	12"	N/A	12"	N/A	1 (TOP)	10'-0" OR LESS	
	12"	12"	12"	12"	1 (BOTTOM)		
	N/A	N/A	11 9/16"	11 9/16"	2 (TOP)		
	12"	12"	12"	12"	2 (BOTTOM)		
	12"	N/A	12"	N/A	3 (TOP)		
	12"	12"	12"	12"	3 (BOTTOM)		
	12"	9.5"	12"	12"	4 (TOP)		
	12"	12"	12"	12"	4 (BOTTOM)		
	12"	N/A	12"	N/A	5 (TOP)		
	12"	9.5"	12"	12"	5 (BOTTOM)		
	12"	N/A	12"	N/A	6 (TOP)		
	12"	N/A	12"	N/A	6 (BOTTOM)		
12"	N/A	12"	N/A	7 (TOP/BOTTOM)			

**MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM ANCHOR SPACING SCHEDULE FOR INSTALLATIONS INTO CONCRETE AND C.B.S. STRUCTURES \***

E. D. = EDGE DISTANCE

\* SEE SHEET 7 & 8 OF 8 FOR ANCHORS TYPE & SPACING FOR INSTALLATIONS INTO WOOD FRAME BUILDINGS.

MAXIMUM DESIGN LOAD W (p.s.f.)	MAXIMUM ANCHORS SPACING FOR E. D. = 3 1/2" **						MAXIMUM PANEL LENGTH "L" (ft.)
	L.T.W. BUILDING		POWERS FASTENING		APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM		
	TAPCONS		CALK-IN				
	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY			
+60.0, -75.0	11.5"	N/A	11.5"	N/A	1 (TOP)	6'-0" OR LESS	
	12"	10.5"	12"	12"	1 (BOTTOM)		
	N/A	N/A	11 9/16"	11 9/16"	2 (TOP)		
	12"	10.5"	12"	12"	2 (BOTTOM)		
	12"	N/A	12"	N/A	3 (TOP)		
	12"	10.5"	12"	12"	3 (BOTTOM)		
	12"	7"	12"	10.5"	4 (TOP)		
	12"	10.5"	12"	12"	4 (BOTTOM)		
	12"	N/A	12"	N/A	5 (TOP)		
	12"	7"	12"	10.5"	5 (BOTTOM)		
	12"	N/A	12"	N/A	6 (TOP)		
	12"	N/A	12"	N/A	6 (BOTTOM)		
12"	N/A	12"	N/A	7 (TOP/BOTTOM)			

\*\* MAXIMUM ANCHOR SPACINGS ARE VALID FOR 3 1/2" EDGE DISTANCE. FOR E. D. LESS THAN 3 1/2", REDUCE ANCHOR SPACING BY MULTIPLYING SPACING SHOWN ON SCHEDULE BY THE FOLLOWING FACTORS. (NOTE: Min. E. D. FOR CALK-IN ANCHORS IS 2 1/2"). FOR THIS OPERATION TO BE POSSIBLE, REDUCED SPACING OBTAINED USING FACTOR SHALL NOT BE LESS THAN MINIMUM SPACING INDICATED FOR EACH ANCHOR TYPE AT ANCHORS LEGEND.

**ANCHORS LEGEND**

ANCHORS TYPE	ANCHOR MIN. SPACING
TAPCON	3.0"
CALK-IN	2.5"

ACTUAL E. D.	FACTOR	
	TAPCON	CALK-IN
3"	.86	.75
2 1/2"	.75	.50
2"	.50	-

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE 2/27/2001  
 BY *Helmut A. Miller*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 01-0822-01

MAXIMUM DESIGN LOAD W (p.s.f.)	MAXIMUM ANCHORS SPACING FOR E. D. = 3 1/2" **						MAXIMUM PANEL LENGTH "L" (ft.)
	L.T.W. BUILDING		POWERS FASTENING		APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM		
	TAPCONS		CALK-IN				
	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY			
+60.0, -75.0	8.5"	N/A	8.5"	N/A	1 (TOP)	>6'-0" TO 7'-2"	
	12"	9"	12"	12"	1 (BOTTOM)		
	N/A	N/A	11 9/16"	11 9/16"	2 (TOP)		
	12"	9"	12"	12"	2 (BOTTOM)		
	12"	N/A	12"	N/A	3 (TOP)		
	12"	9"	12"	12"	3 (BOTTOM)		
	12"	5"	12"	7.5"	4 (TOP)		
	12"	9"	12"	12"	4 (BOTTOM)		
	12"	N/A	12"	N/A	5 (TOP)		
	12"	5"	12"	7.5"	5 (BOTTOM)		
	12"	N/A	12"	N/A	6 (TOP)		
	11"	N/A	11.5"	N/A	6 (BOTTOM)		
11"	N/A	11.5"	N/A	7 (TOP/BOTTOM)			

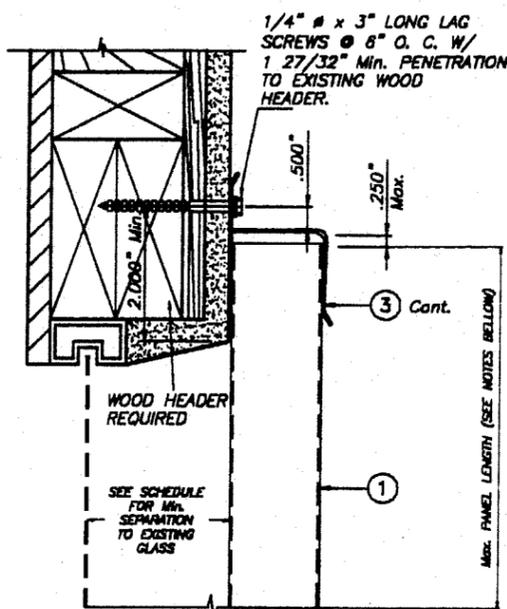
*11/15/01*

**TILECO INC.**  
 TILLIT TESTING & ENGINEERING COMPANY  
 8585 N.W. 38th St., Ste. 217, VIRGINIA GARDENS, FL 33188  
 Phone: (305)871-1530, Fax: (305)871-1531  
 EB-0006719  
 WALTER A. TILLIT Jr. P. E.  
 FLORIDA Lic. # 44167

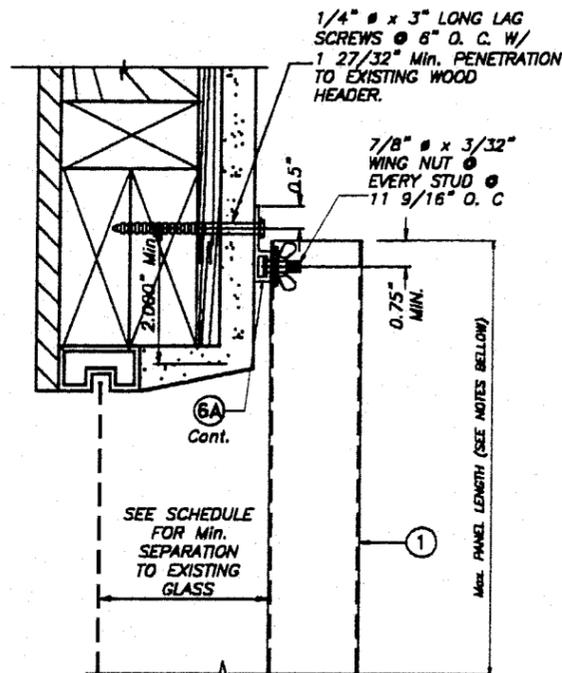
0.050" ALUMINUM STORM PANEL AS SHOWN SCALE  
**STORM TECH MANUFACTURING**  
 3583 PALMETTO AVE.  
 FORT MYERS, FL 33918  
 2/22/01 DATE  
 01-012 DRAWING No  
 SHEET 8 OF 8

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	GENERAL	11/14/01	2		
2			4		

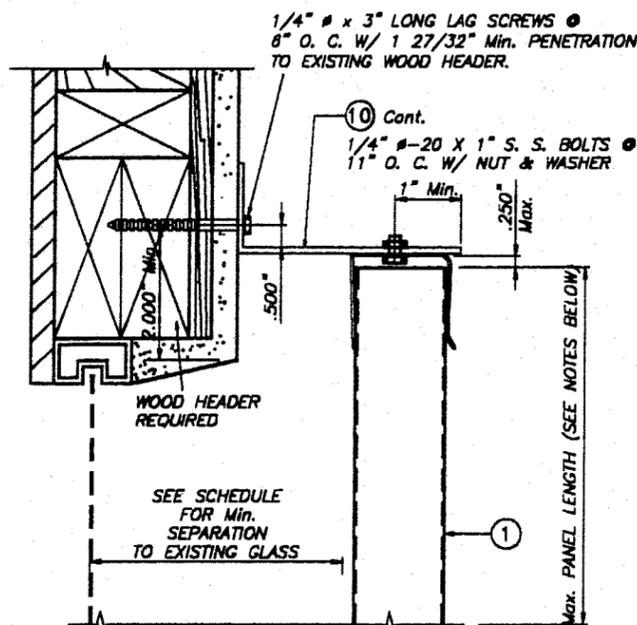
MIAMI-DADE COUNTY



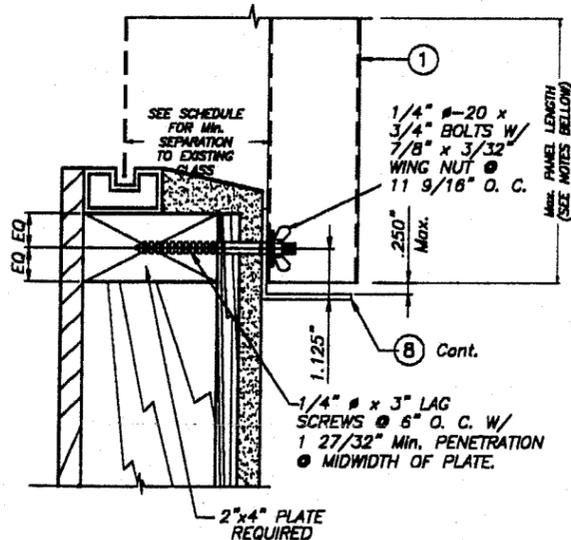
**ALTERNATIVE 1**



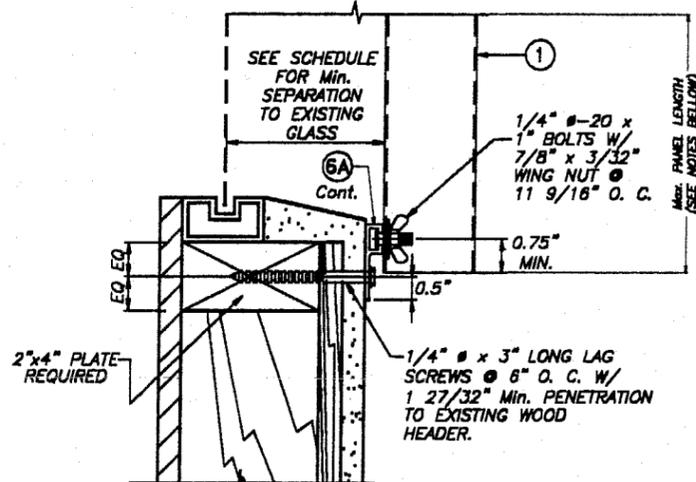
**ALTERNATIVE 3**



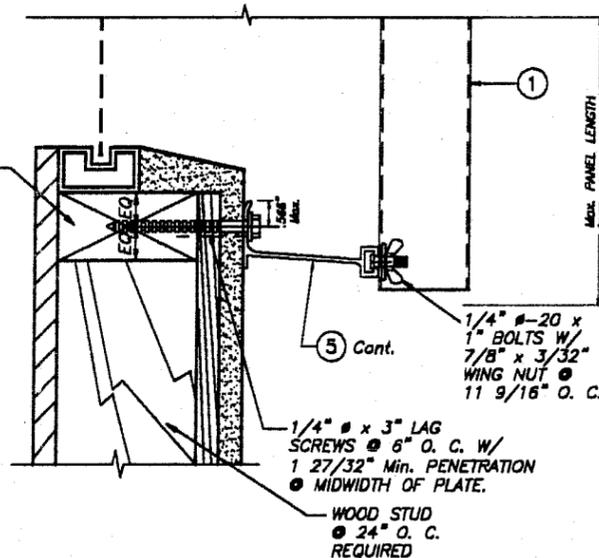
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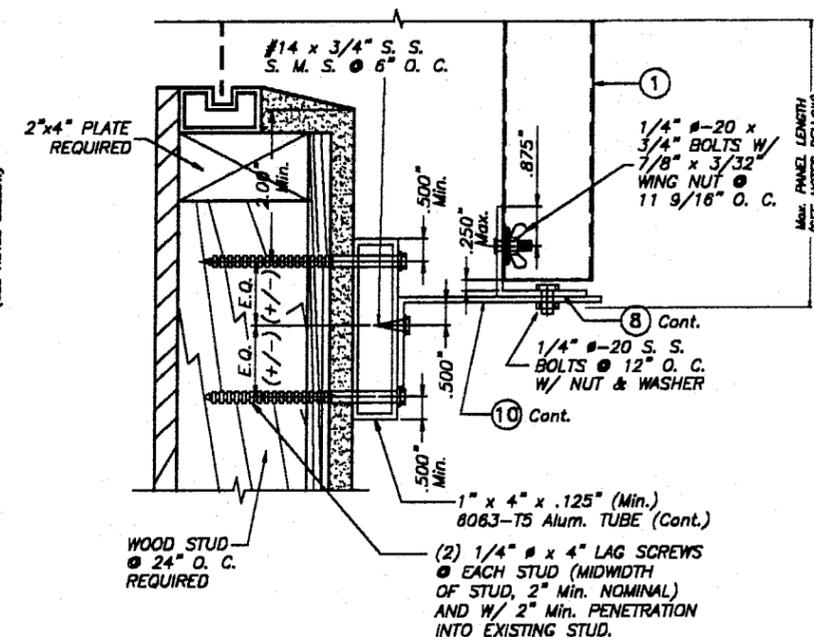
**ALTERNATIVE 2**



**ALTERNATIVE 4**



**ALTERNATIVE 6**



**ALTERNATIVE 7**

**WALL MOUNTING INSTALLATIONS**

**SECTIONS A**

SCALE : 1/4" = 1"

**INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS**

**NOTE FOR COMBINATION OF SECTIONS:**

WALL MOUNTING SECTIONS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

**NOTES:**

- INSTALLATIONS ARE VALID ONLY FOR DESIGN WIND LOADS AND Max. PANEL LENGTHS AS PER SCHEDULE ON SHEET 4 OF 8
- FOR WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE No. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.

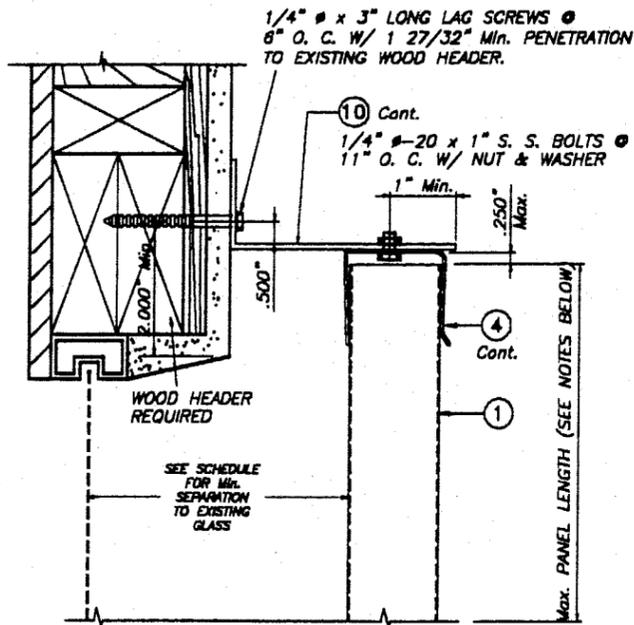
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE 12/27/2001 BY *Heinz H. Mah* PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 01-0822-01

MIAMI-DADE COUNTY

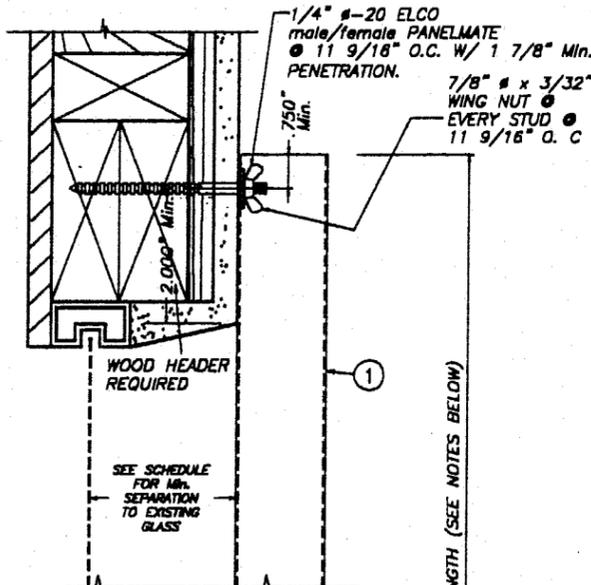
*David*  
11/15/01

**TILECO Inc.**  
TILLIT TESTING & ENGINEERING COMPANY  
6585 N.W. 38th St., Ste. 217, VIRGINIA GARDENS, FL 33188  
Phone : (305)871-1830 Fax : (305)871-1831  
EB-0006719  
WALTER A. TILLIT Jr. P. E.  
FLORIDA Lic. # 44187

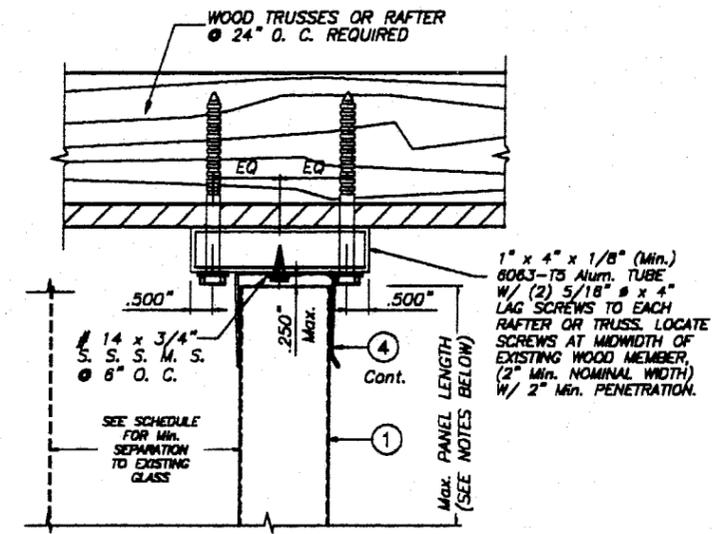
0.050" ALUMINUM STORM PANEL		AS SHOWN SCALE
<b>STORM TECH MANUFACTURING</b>		2/22/01 DATE
3593 PALMETTO AVE. FORT MYERS, FL 33918		01-012 DRAWING No
REV. No	DESCRIPTION	DATE
1	GENERAL	11/14/01
2		



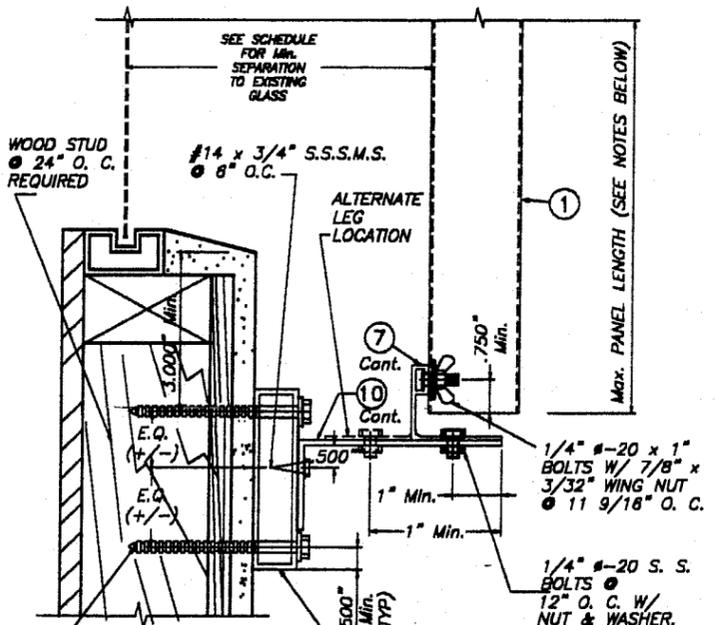
**ALTERNATIVE 8**



**ALTERNATIVE 10**



**ALTERNATIVE 1**

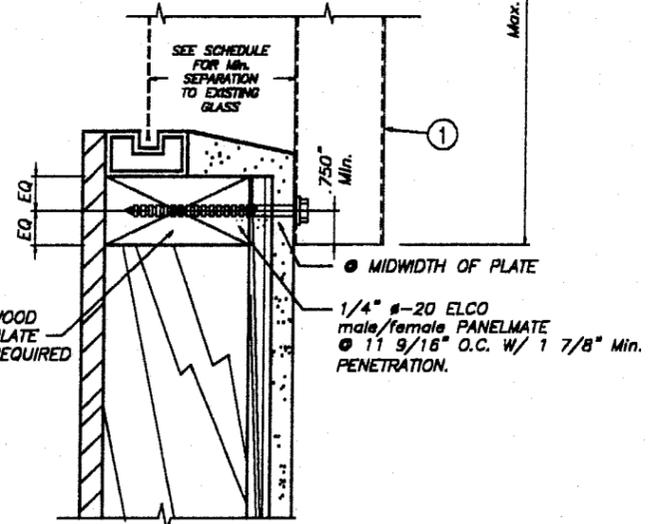


**ALTERNATIVE 9**

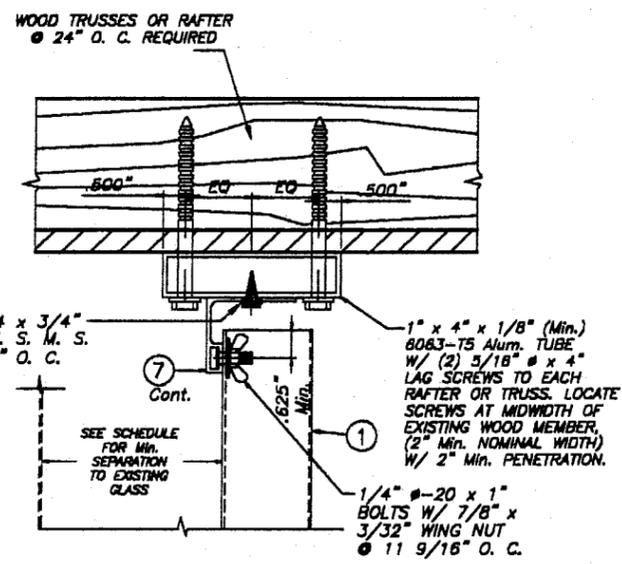
**WALL MOUNTING INSTALLATIONS**

**SECTIONS A**

SCALE : 1/4" = 1"



**ALTERNATIVE 11**

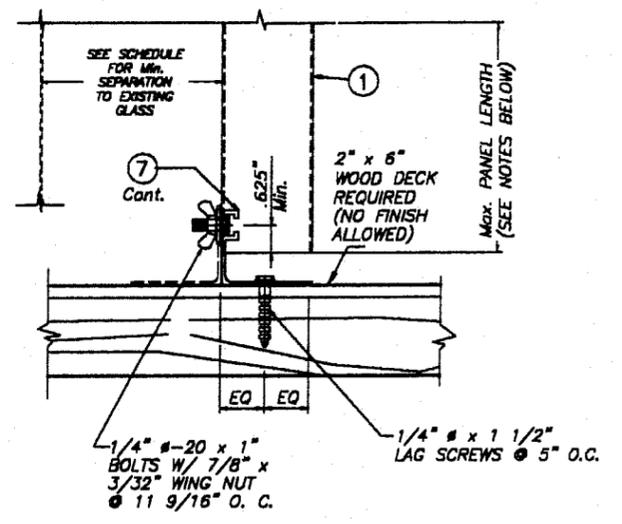


**ALTERNATIVE 2**

**CEILING & FLOOR MOUNTING INSTALLATIONS**

**SECTIONS B**

SCALE : 1/4" = 1"



**ALTERNATIVE 3**

NOTE FOR COMBINATION OF SECTIONS:  
FLOOR/ WALL/ CEILING MOUNTING SECTIONS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

**INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS**

NOTES:  
1. INSTALLATIONS ARE VALID ONLY FOR DESIGN WIND LOADS AND Max. PANEL LENGTHS AS PER SCHEDULE ON SHEET 4 OF 8  
2. FOR NEW WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE No. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.

*David*  
11/15/01

 <b>TILECO INC.</b> TILLIT TESTING & ENGINEERING COMPANY 6585 N.W. 38th St., Ste. 217, VIRGINIA GARDENS, FL 33188 Phone: (305)871-1530 Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167		0.050" ALUMINUM STORM PANEL		AS SHOWN SCALE	
		<b>STORM TECH MANUFACTURING</b> 3593 PALMETTO AVE. FORT MYERS, FL 33918		2/22/01 DATE	
		REV. No		DESCRIPTION	DATE
		1		GENERAL	11/14/01
		2			
		3			
		4			
				01-012 DRAWING No	
				SHEET 8 OF 8	

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE 12/27/2001  
 BY *Helmut H. M...*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 01-0822-01  
 MIAMI-DADE COUNTY